KRAMER ELECTRONICS, Ltd.
www.kramerelectronics.com

VP-443

10−Input Analog & HDMI ProScale™ Presentation Digital Scaler/Switcher with 2K Support and Ethernet Control

The VP−443 is a high−performance presentation scaler/switcher for HDMI, computer graphics, composite video and component video signals. The unit scales the video up to 2K and outputs the signal to HDMI (with embedded audio), computer graphics and RGBHV video outputs (with S/PDIF and unbalanced stereo audio) simultaneously.

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FEATURES

- K-Storm™ Scaling Technology.
- HDTV Compatible.
- HDCP Compliant - The HDCP (High Definition Content Protection) license agreement allows copy−protected data on the HDMI input to pass only to the HDMI output.
- Multi-Standard - PAL & NTSC.
- Video Inputs - 4 HDMI, 2 computer graphics video on 15−pin HD connectors, 2 composite video & 2 component video on RCA connectors.
- Scaled Outputs - 1 HDMI, 1 RGBHV on BNC connectors, 1 VGA on a 15−pin HD connector, simultaneously.
- 24 Output Resolutions - Up to UXGA/1080p and 2K.
- Companion AFV (Audio-Follow-Video) - Stereo audio for every input (on terminal blocks).
- Audio Inputs - 10 unbalanced stereo on terminal blocks, each with individual level controls.
- Audio Outputs - 1 S/PDIF & 1 unbalanced stereo audio on RCA connectors.
- Multiple Aspect Ratio Selections - Full, overscan, underscan, letterbox & panscan.
- Built-in ProcAmp - Color, hue, sharpness, noise, contrast & brightness.
- Front Panel Control - Audio mute, video blanking & freeze frame.
- Front Panel Lockout.
- Non-Volatile Memory - Saves final settings.
- Flexible Control Options - Front panel, IR remote with OSD (on−screen display), Ethernet & RS−232.
- Worldwide Power Supply - 100−240V AC.
- Standard 19” Rack Mount Size - 1U. Rack “ears” included.

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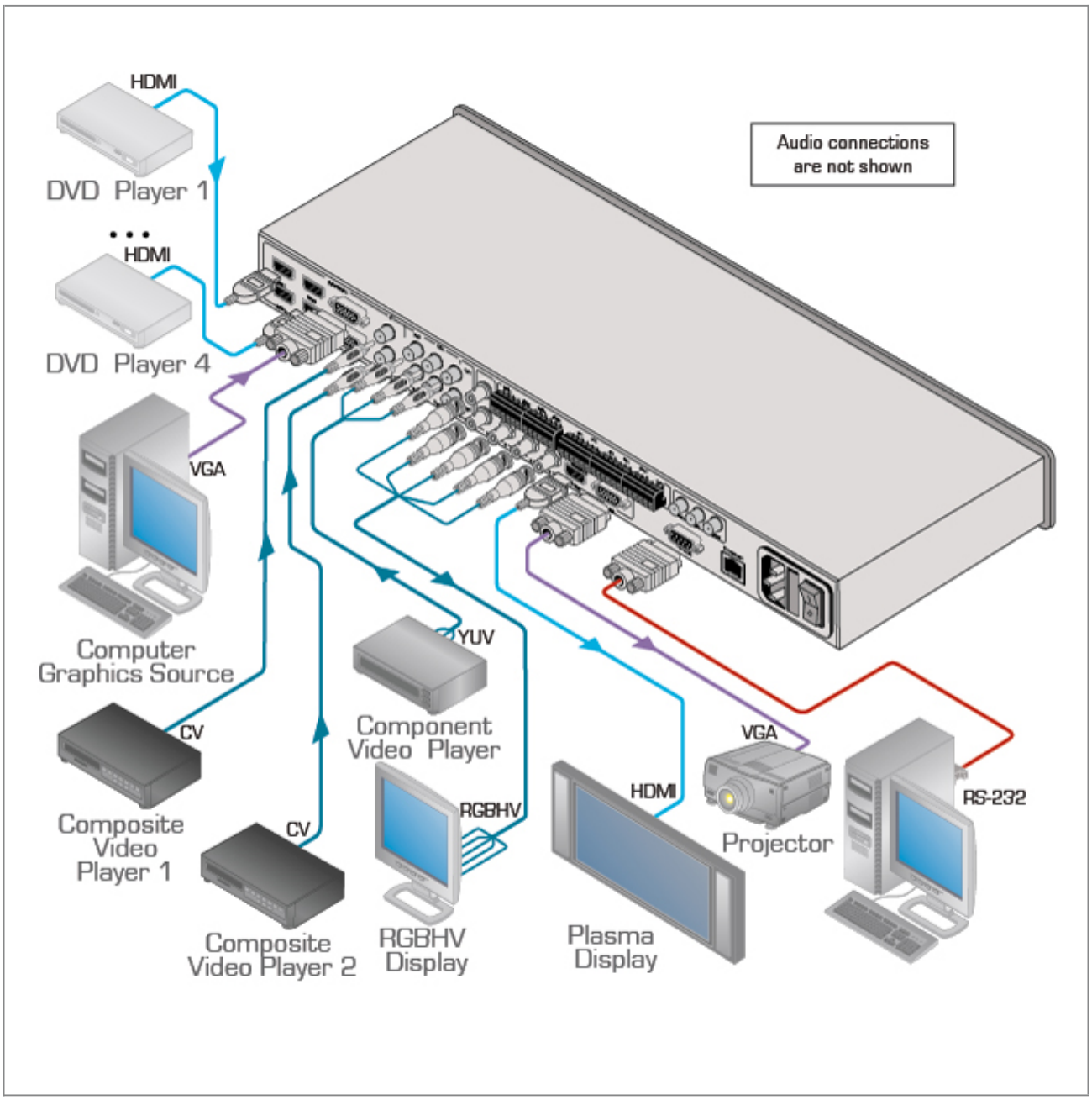
TECHNICAL SPECIFICATIONS

INPUTS:	4 HDMI connectors (HDMI, HDCP version 1.1), 2 VGA on a 15−pin HD connector, 2 composite video on an RCA connector, 2 component video each on 3 RCA connectors, Unbalanced stereo audio on 10 3−pin terminal block connectors.
OUTPUTS:	1 RGBHV on 5 BNC connectors, 1 HDMI connector (HDMI, HDCP version 1.1), 1 VGA (RGBHV) on a 15−pin HD connector, 1 S/PDIF on an RCA connector, 1 analog stereo audio on 2 RCA connectors.
OUTPUT COLORSPACE:	RGB.
H FREQUENCY:	15.63−90kHz.
V FREQUENCY:	50−100Hz.
RGB SYNCS:	H and V TTL separated syncs.
RGB LEVEL:	1.2Vpp max, 75W load.
XGA OUT LEVEL:	1.2Vpp max, 75W load.
OUTPUT RESOLUTIONS:	Native, VGA, SVGA, XGA, SXGA, UXGA, 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, WXGA, WSXGA, WUXGA, 1280x800, 1440x900, 1400x1050, 1600x900, 2048x1080.
OUTPUT REFRESH RATES:	60Hz for computer graphics resolutions; 50/60/59.94Hz (HDTV and 480i/p resolutions), 50/60Hz (2k 2048x1080 resolution), 50Hz (576i/p resolutions).
CONTROLS:	CV 1, CV 2, component 1, component 2, PC 1, PC 2, HDMI 1, HDMI 2, HDMI 3, HDMI 4, input selector buttons; blank, mute, freeze buttons; menu, enter, menu arrows, reset to XGA/720p, lock buttons, RS−232, IR, Ethernet.
POWER CONSUMPTION:	100−240V AC, 25VA max.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
DIMENSIONS:	19" x 7" x 1U (W, D, H) rack mountable.
WEIGHT:	2.7kg (6lbs) approx.
INCLUDED ACCESSORIES:	Power cord, rack ears, IR remote control.


HDMI
DVD Player 1
HDMI
DVD Player 4
Audio connections are not shown
VGA
Computer Graphics Source
YUV
Component Video Player
CV
Composite Video Player 1
CV
Composite Video Player 2
RGBHV
RGBHV Display
HDMI
Plasma Display
VGA
Projector
RS-232